IBM (NALAIYA THIRAN)

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CODE:

Python code for Blinking Led using Raspberry pi

import RPi.GPIO as GPIO from time import sleep GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) while True:

GPIO.output(8, GPIO.HIGH)  sleep(1)

GPIO.output(8, GPIO.LOW) sleep(1)

CODE:

Python code for traffic light using raspberry pi

import RPi.GPIO as GPIO

import time import signal import sys

GPIO.setmode(GPIO.BCM)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT) GPIO.setup(12, GPIO.OUT) def allLightsOff(signal, frame):  GPIO.output(11, False)

GPIO.output(12, False)

GPIO.output(13, False)  GPIO.cleanup()  sys.exit(0) signal.signal(signal.SIGINT, allLightsOff) while True:

GPIO.output(9, True)  time.sleep(3)

GPIO.output(10, True)  time.sleep(1)

GPIO.output(9, False)

GPIO.output(10, False)  GPIO.output(11, True)  time.sleep(5)

GPIO.output(11, False)  GPIO.output(10, True)  time.sleep(2)

GPIO.output(10, False)